



BRIEF ABOUT CCARDESA



Outline

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- **Efforts to improve the resilience of food systems**

Introduction

- CCARDESA is a subsidiary of SADC established by the Member States through a Charter
- Established in 2010 & launched in 2011
- Created to coordinate agricultural R&D in the region
- **Goal:** To sustainably reduce food insecurity & poverty in the SADC region
- **Objective:** To increase smallholder productivity through the adoption of improved agricultural technologies and improved husbandry and marketing practices

Background cont...

- CCARDESA was established in November 2010 through a SADC Charter, and formally launched in July 2011.
- **Mandate:** To Coordinate Agricultural Research & Development in the region.
- 1st Medium-Term Operational Plan (MTOP) drafted in 2013, covered the period 2014-2018.
 - Served a dual purpose of being an operational plan as well as a strategy
- SP 2020–2029 responds to the needs of the SADC MS

CCARDESA Roles

- Promote coordination and collaboration;
- Facilitate the exchange of information & technology;
- Promote partnerships in the SADC region between stakeholders;
- Improve agricultural technology generation, dissemination, and adoption; and
- Mobilise human, financial, and technological resources.

Vision, Mission and Goal

Vision

“Sustainable agricultural growth and socio-economic development in the SADC”

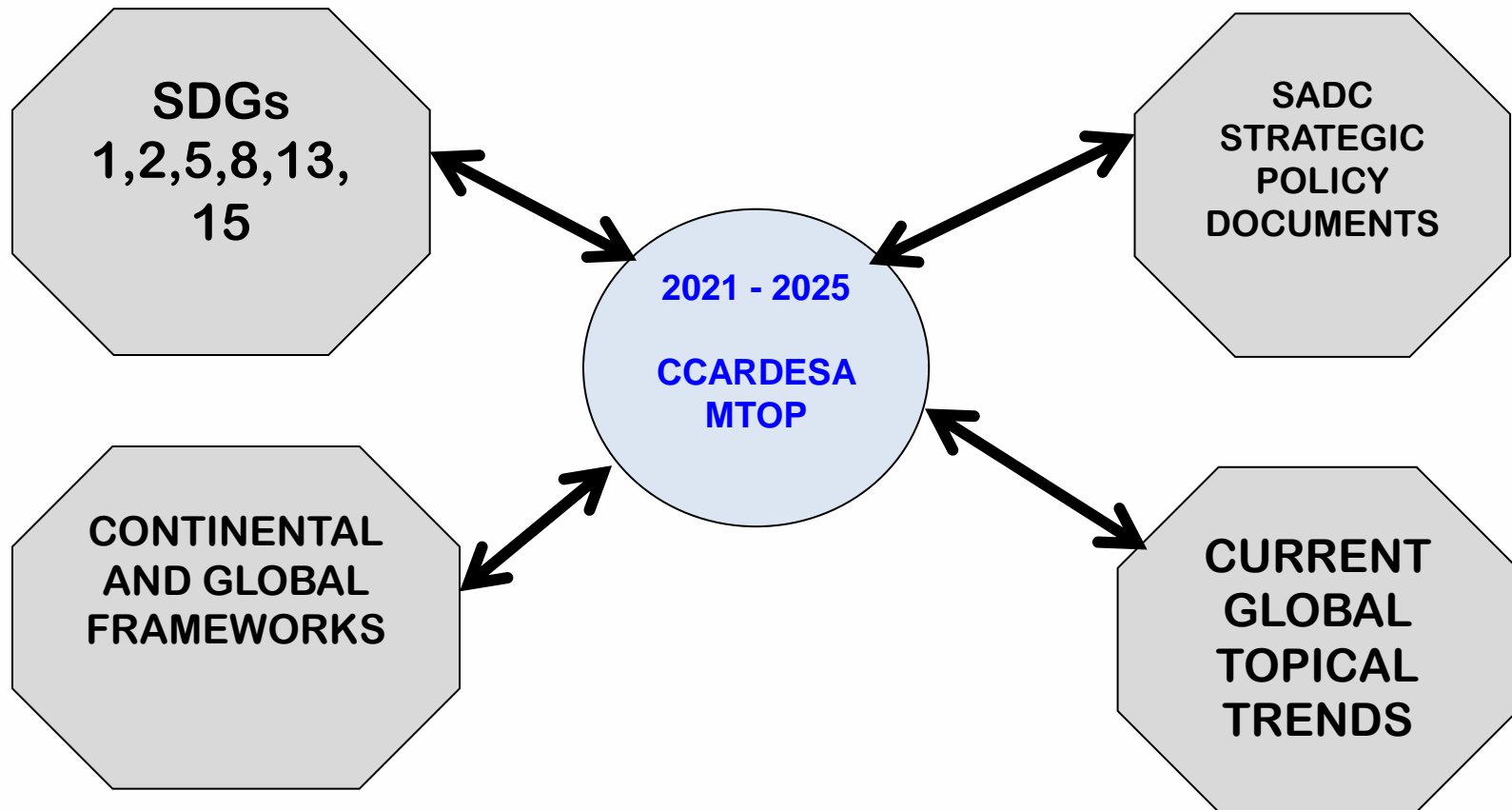
Mission

“To set the regional research and development agenda, mobilise resources, support capacity development, foster collaboration and provide agricultural information and knowledge in the SADC”

Goal

“To facilitate delivery of sustainable, equitable and inclusive agricultural development to ensure food and nutrition security in the SADC region”

Alignment of MTOP to key strategies



MTOP Thematic Areas

THEMATIC AREAS

Agricultural productivity and food and nutrition security



Resilience to emerging agricultural risks: environmental, climate change and transboundary pests and diseases



Commercialisation of the agricultural sector and market access



Women, youth and social inclusion



Knowledge and information management, communication and policy support



Capacity strengthening of CCARDESA and AR4D institutions



RESULTS

Increased agricultural productivity and food and nutrition security

Sustainable management of natural resources and increased resilience to climate change and other emerging agricultural risks

Increased commercialisation of smallholder agriculture and access to markets

Gender equality, women empowerment and increased employment and participation of youth and vulnerable groups in agricultural value chains

Strengthened capacity of regional and national AR4D institutions, farmers and other agricultural value chain actors

Crops: Priority areas for research and development

1. Availability of quality and improved seeds (Breeding)

1. Breed crop varieties through market demand-led needs
2. Breeding for Biofortified and hybrid (millet) varieties with high yielding traits
3. Breed varieties tolerant to drought and heat
4. Breeding programs for pest and disease resistant varieties
5. Breeding and multiplication of underutilized indigenous food plants

Crops: Priority areas for research and development

2. Pests and Diseases

1. Conduct studies to understand pest and disease dynamics in relation to climate change.
2. Determine Integrated Pest Management practices packages suitable for specific environmental conditions and specific plants to improve crop production.

3. Soil fertility

1. Determine barriers to market access and low regional trade in agricultural products.
2. Determine most effective models for increasing market access and regional trade in agricultural products.

Crops: Priority areas for research and development

4. Impacts of climate variation on crop production

1. Study the effect of climate variation on the production performance of specific crops.
2. Develop early warning systems to support farmers to deal with effect of climate variation

5. Market access

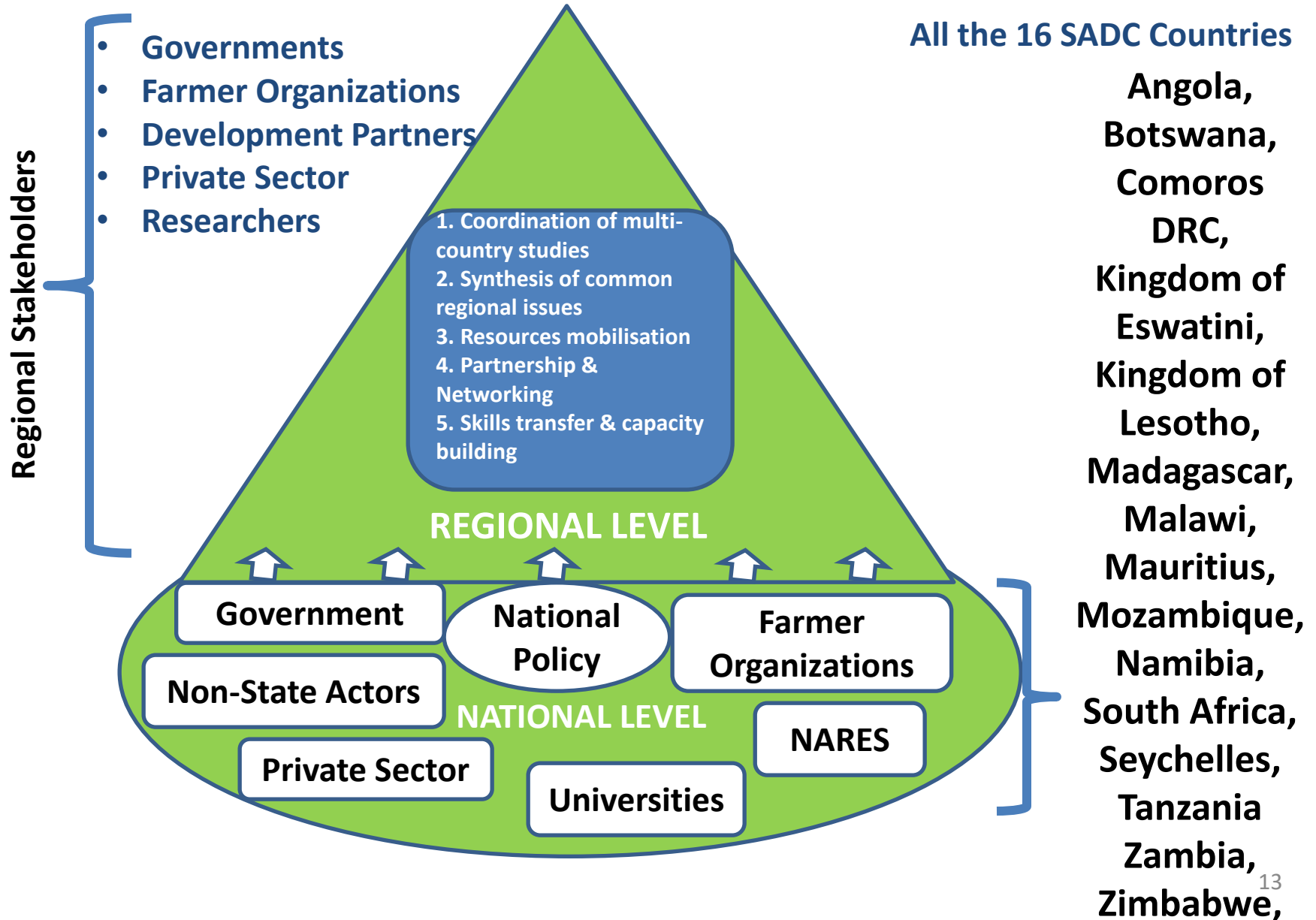
1. Identify and evaluate appropriate fertilizer (inorganic and organic) application rates.
2. Conduct studies on the best agro-ecology (agroforestry) systems.
3. Identify water-use efficient systems

Crops: Priority areas for research and development

6. Capacity building

1. Identify barriers to knowledge and technology transfer between researchers and farmers.
2. Identify farmers' capacity needs and gaps.
3. Identify effective mechanisms for knowledge dissemination and capacity building.

CCARDESA ENGAGEMENT WITH PARTNERS AND STAKEHOLDERS



Current PROJECTS

- Comprehensive Africa Agriculture Development Programme ex-Pillar 4 (**CAADP-XP4**)
- Agricultural Productivity Programme for Southern Africa (**APPSA**)
- Accelerating the Impact of CGIAR Climate Research for Africa (**AICCRA**)
- Global Climate Change Alliance (**GCCA+)-Project**
- Climate Resilience and Natural Resource Management (**C-NRM)-Project**
- **Food Systems Resilience Program (FSRP)**

EFFORTS TO IMPROVE THE RESILIENCE OF FOOD SYSTEMS

PROJECTS	INTERVENTIONS
APPSA	Generate technologies that can improve the resilience of agricultural production systems.
AICCRA	Enhance access to climate information services and validated climate-smart agriculture technologies in Africa.
C-NRM	Takes into account climate change impacts in the management of transboundary natural resources in the SADC region.
CAADP-XP4	Enable agricultural research and innovation, including extension services, with the potential to mitigate the effects of climate change, and enhance food and nutritional security.
GCCA+	Strengthen the capacity of member states to undertake regional and national adaptation and mitigation actions in response to the challenges caused by the effects of global climate change and climate variability.
FSRP	Improve the resilience of food systems and increase preparedness against food insecurity in selected countries.

Planned Expansion

- CCARDESA is in the process of expanding its operations/focus to include:

SECTORS	INTERVENTIONS
Livestock	Conservation of animal genetic resources and address factors influencing animal health, and sanitary and phytosanitary (SPS) conditions within SADC member states.
Fisheries and Aquaculture	Improve resource use, environmental sustainability, and the contribution to food security, poverty alleviation, and national economic growth and development in the SADC region.
Forestry and Agroforestry	Promote good forest governance and sustainable forest management in close consultation with SADC member states.

FOOD RESILIENCE PROGRAMME

- **CCARDESA will;**

- contribute to building resilient agricultural production capacity,
- support and coordinate transnational and regional technical assistance, analytical and advisory work, and training efforts,
- promote regional information and knowledge systems,
- strengthen existing national and regional research centers,
- support country-level efforts to make food systems resilience a higher priority of public policies and spending,

FOOD RESILIENCE PROGRAMME

- **CCARDESA will;**

- support SADC member countries in taking full advantage of the AfCFTA and other intraregional trade and value addition opportunities,
- conduct technical studies on value chain competitiveness and risk assessments,
- support the regional dissemination of value chain analyses and other knowledge products, while drawing attention to private investment opportunities,
- strengthen its own technical and program delivery capacities.

Collaboration with Networks – examples

- Pan African Bean Research Network (PABRA)
- Southern African Bean Research Network (SABRN)
- Regional Network of Agricultural Policy Research Network (ReNAPRI)
- Southern African Climate Smart Agriculture Alliance (SACSAA) network
- Food, Agriculture and Natural Resources Policy Analysis Network (FANRPAN)

KNOWLEDGE DISSEMINATION PATHWAYS



www.ccardesa.org

www.facebook.com/cccardesa

D-groups

SAAIKS <http://saaiks.net>

e-Learning Platform

Community of practise



Mobile App



Acknowledgements



African Forum for Agricultural
Advisory Services





THANK YOU

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